

Safety Data Sheet

Conforms to Regulation (EU) 2015/830 of the Committee of 28 May 2015 amending Regulation (EC) no. 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
Safety Data Sheet according to Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Ref: 102692

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29/07/22
Version: 1.1

BIOCOL

Section 1 IDENTIFICATION OF THE MIXTURE AND COMPANY

1.1. Product identifier

Name: BIOCOL
Distributor reference: 102692

1.2. Relevant identified uses of the substance or mixture and uses advised against

Bioprocessing Columns
See the label for more information.

1.3. Information concerning the supplier of the safety data sheet

Corporate name: IPC

Address: 10 Quai CDT MalbertCS 71821

Country Code/Postal Code/City: FR 29218 BREST CEDEX 2

Telephone: 02 98 43 45 44

Email: ipc.serviceclients@groupe-ipc.com

Maker: www.ipc-sa.com

1.4. Emergency telephone number

ORFILA (INRS) - poison control centers list FR: + 33 (0)1 45 42 59 59, BE: + 32 (0)70 245 245
Company/body: INRS

Section 2 IDENTIFICATION OF HAZARDS

2.1. Classification of the substance or mixture

2.1.1. In accordance with regulation (EC) no. 1272/2008 and its adaptations

Not classified

2.2. Label elements

2.2.1. In accordance with regulation (EC) no. 1272/2008 and its adaptations

None

2.2.2. Warning message

None

2.2.3. Product identifier

Contains no ingredient contributing to a hazard

2.2.4. Hazard statements and additional information about hazards

EUH 210 : Safety data sheets available on request.

2.2.5. Safety precautions

None

2.3. Other hazards

No other hazard identified in the present state of our knowledge.

Section 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances:

3.2. Mixtures:

Identification	(CE) 1272/2008	Nota	%
Inci: Sodium Nitrate Iupac: Sodium Nitrate CAS: 7631-99-4 CE: 231-554-3 ID: N/D N° REACH: 01-2119488221-41	Ox. Sol. 2, H272 Eye Irrit. 2, H319		>= 1% & < 5%
Inci: ferrous sulfate heptahydrate Iupac: ferrous sulfate heptahydrate CAS: 7782-63-0 CE: 231-753-5 ID: N/D N° REACH: 01-2119513203-57	Acute Tox. 4, H302 Skin Irr. 2, H315 Eye Irrit. 2, H319		>= 1% & < 5%

The other components of this mixture are not classified according to the CLP criteria and/or Directive 67/548/EC or are present in concentrations below the threshold values.

3.3. Substances that are subject of exposure limit values at the workplace:

Refer to paragraph 8

Section 4 FIRST AID

Generally, in case of doubt or if the symptoms persist, always call a doctor.

If the person is unconscious, place in the security recovery position.

NEVER give anything by mouth to an unconscious person.

Turn on side a person lie on his back, who is vomiting.

4.1. Description of first aid:

4.1.1. In case of inhalation:

In case of massive inhalation, move the victim to fresh air.

No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

4.1.2. In case of splashing or contact with eyes:

Rinse the eye thoroughly with lukewarm water (20 to 25 ° C), soft and clean (or with physiological saline), for at least 15 minutes, keeping the eyelids open. Avoid splashing towards the unaffected eye (e.g. using a compress). Water always flows from the nose to the ear. Move the eye in all directions when rinsing.

Take out contact lenses if the victim wears lenses and if it is possible to take them out of the eyes easily. Continue to rinse.

If the eye irritation persists, or if new symptoms (pain, visual discomfort) occur, consult an ophthalmologist.

4.1.3. In case of contact with skin:

If skin irritation persists, or in case of allergic manifestation, consult a specialist doctor.

4.1.4. In case of ingestion:

Rinse mouth.

Do not induce vomiting, rinse mouth.

Consult a doctor immediately.

Bring to the free air in case of massive inhalation. Keep him in a warm place and at rest. Consult a doctor.

4.2. Main symptoms and effects, both acute and delayed:

The main known symptoms and effects are described on the labeling (see section 2.2) and / or in section 11.

4.3. Indication of immediate medical attention and special treatment needed:

Seek advice from a poison control centre or a toxicologist.

Consult your doctor and show this safety data sheet.

Section 5 FIRE-FIGHTING MEASURES

5.1. Extinguishing agents

All extinguishing agents are permitted: foam, sand, carbon dioxide, water, powder.

Extinguishing media which must not be used: Water jet (risk of fire spreading)

5.2. Special hazards arising from the substance or mixture:

Possibly, and because of the presence of organic matter, a fire could produce a thick black smoke. The exposure to the products of decomposition could involve health risks.

Do not breathe fumes.

5.3. Advice for fire-fighters:

Full protective clothing.

Wear self-contained respiratory protective device (insulating stand-alone respiratory protective device).

Prevent heating of containers exposed to fire by spraying with water (water curtain).

Avoid spraying water directly onto the storage tank to prevent the product from overflowing.

Do not allow extinguishing water to enter sewers or waterways. Treat as hazardous waste.

Consider the residues of extinguishing media as dangerous products. Dispose of them according to the indications in section 13.

Section 6 MEASURES IN CASE OF ACCIDENTAL SPILLAGE

6.1. Personal precautions, protective equipment and emergency procedures:

6.1.1. For non-rescuers:

Avoid contact with the eyes.

Alert / evacuate people in the immediate area.
Shut off the source of the spill.
Isolate the contaminated area.
Put on personal protective equipment (see section 8).
Refer to section 6.3 for methods of containment and cleaning up.
In the event of a sign of seriousness, alert the emergency services.

6.1.2. For rescuers:

Responders will be equipped with personal protective equipment (see section 8).

6.2. Precautions for environmental protection:

Contain and collect leaks with non-combustible absorbent materials, for example : sand, soil, vermiculite, diatomaceous earth in drums for disposal of waste.

Prevent runoff into waterways, sewers, basements or confined spaces (beyond recommended rate and use).

6.3. Methods and material for containment and cleaning up:

Stop the leak if it can be done without risk.

Do not walk in or touch the spilled product.

Empêcher tout écoulement dans les cours d'eau, égouts, sous-sols ou espaces clos (au delà de la dose et l'usage recommandés).

Collect the liquid using an absorbent product (sand, kieselguhr, neutralizing acid, universal binder, sawdust, soil, etc.) in drums for disposal of waste.

Use clean tools to collect the absorbed product.

6.4. Reference to other sections:

Refer to section 8 for PPE.

Refer to section 4 for first aid measures.

Refer to section 5 for fire fighting measures.

Refer to section 13 for management of contaminated absorbents.

Section 7 HANDLING AND STORAGE

7.1. Precautions for safe handling:

Handle in well-ventilated areas.

Never open the packaging by applying pressure.

Wear the personal protective equipment indicated in section 8.

Do not swallow.

Avoid contact with eyes, skin and clothing.

7.1.1. Fire prevention:

Observe storage compatibility (see paragraph 7.2).

7.1.2. Environmental Protection :

Avoid contamination of sewers (beyond recommended dosage and use).

Do not discharge into sewage or waterways (beyond recommended dosage and use).

7.1.3. Work hygiene instructions:

Wash hands after each use, and before eating, drinking or smoking.

It is prohibited to smoke, eat or drink on the premises where the preparation is used.

Do not wear soiled work clothes in areas such as offices, seminar rooms, lounge areas, company restaurants or cafeterias.

Change work clothes frequently and wash them before reuse, especially if they have been contaminated with dangerous chemicals.

Store work clothes separate from street clothes.

7.2. Pre-requisites to ensure the safety of the storage, taking into account any possible incompatibilities:

7.2.1. Storage

Store hermetically closed in a dry, well-ventilated and cool place.

Store in the original container.

Keep away from food and drink, including those for animals.

Keep out of reach of children.

Respect the expiration date indicated on the packaging.

Store away from all sources of heat and incompatible materials (see section 10).

Controlled and limited access (keep locked). Avoid the presence of piping in the room. Control the humidity.

The opened packaging must be carefully closed and kept in the vertical position.

Store safe from frost.

7.2.2. Materials recommended:

Store in the original container.

7.2.3. Inadvisable material:

None

7.3. Specific end use(s):

Refer to the label and the technical data sheet.

Do not mix different cleaners.

Section 8 EXPOSURE CONTROL /INDIVIDUAL PROTECTION

8.1. Control parameters:

8.1.2. Occupational exposure limit values :

Components showing threshold values to be monitor through a workstation:

None

8.2. Exposure controls:

8.2.1. Appropriate technical controls:

Use clean and properly maintained personal protective equipment. Check condition before use.

Store personal protective equipment in a clean place, away from the work area.

Ensure adequate ventilation, if possible, by aspiration to workstations and extraction generally suitable.

Maintaining local and workstations in a perfect state of cleanliness, clean them frequently.

8.2.2. Personal protection measures:

Personal protective equipment (PPE) must be worn in addition to the collective protection equipment put in place (section 7).

For fire-specific personal protective equipment, see section 5.

8.2.3. Protection of eyes and face:

Avoid contact with eyes.

Wearing glasses does not constitute protection.

8.2.4. Protection of hands:

None

8.2.5. Protection of skin:

None

8.2.6. Respiratory Protection:

When workers are facing concentrations above the exposure limit, they must wear appropriate and approved masks (with adapted cartridge).

Section 9 CHEMICAL AND PHYSICAL PROPRIETES

9.1. Information on basic physical and chemical properties:

Physical state: Solid

Aspect: Sandy powder

Color: Beige

Odour: Odourless

Melting point / freezing point: Not available

Boiling: Not available

Flammability: Not determined

Lower and upper explosion limits: Not available

Flash point: Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

pH: N/D

diluted pH: 5.9 - 6.9 (1% in water) 20-25 °C

Kinematic viscosity: Not available

Solubility: Not available

N-Octanol/water partition coefficient (Log Pow): Not available

Vapor pressure: Not available

Density: 1

Density and/or relative density: Not applicable

Particle characteristics: Not applicable

Maximum VOC content: 0 %

Nanoform presence: Not concerned

9.2. Other information:

9.2.1. Information on physical hazard classes

Explosives: Not applicable

Flammable gases: Not applicable

Oxidizing gases: Not applicable

Gas under pressure: Not applicable

Flammable liquids: Not applicable

Flammable solids: Not applicable

autoreactive: Not applicable

Organic peroxides: Not applicable

Pyrophoric liquids: Not applicable

Pyrophoric solids: Not applicable

Self-heating: Not applicable

Releases flammable gas in contact with water: Not applicable

Oxidizing liquids: Not applicable

Oxidizing solids: Not applicable

Corrosive to metals: Not applicable

Flammable aerosols: Not applicable

Chemically unstable gases: Not applicable

Desensitized explosives: Not applicable

9.2.2. Other Security Features

Mechanical sensitivity: Not available

Self-accelerating curing temperature: Not available

Formation of explosive dust/air mixtures: Not available

Acid/alkaline reserve: Not available
Evaporation Rate: Not available
Miscibility: Not available
Conductivity: Not available
Corrosivity: Not available
Gas group: Not available
Redox potential: Not available
Potential for free radical formation: Not available
Photocatalytic properties: Not available

Section 10 STABILITY AND REACTIVITY

10.1. Reactivity:

No hazardous reactions if used as prescribed and stored as per the recommendations of section 7.

10.2. Chemical stability:

Thermally stable at typical temperatures of use and storage (see section 7).

At extreme temperatures (<5 ° C or> 35 ° C) or under significant UV exposure, the properties of the product may be impaired.

10.3. Possibility of hazardous reactions:

None

10.4. Conditions to be avoided:

Do not mix with other products.

10.5. Incompatible materials:

None

10.6. Hazardous decomposition products:

Hazardous decomposition products are not expected to form under normal storage conditions.

Thermal decomposition products / combustion products: see section 5.

Section 11 TOXICOLOGICAL INFORMATIONS

11.1. Information on toxicological effects:

11.1.1. Substances:

Not concerned

11.1.2. Mixtures:

The product has not been tested. The toxicological data is deduced from the properties of different constituents.

11.1.2.1. Acute toxicity

Based on available data, the criteria for classification of acute toxicity are not met

Toxicity of raw materials:

Experimental values for acute toxicity

IUPAC name	CAS number	EC number	DL50 oral (mg/Kg)	DL50 dermal (mg/Kg)	LC50 inhalation	Specie	Time (h)
sodium nitrate	7631-99-4	231-554-3	3430	-	-	Rat	NC
sodium nitrate	7631-99-4	231-554-3	-	5000	-	Rat	NC
ferrous sulfate heptahydrate	7782-63-0	231-753-5	1520	-	-	Rat	NC

11.1.2.2. Skin corrosion / skin irritation

Not classified vis-à-vis the irritation under the CLP Regulation 1278/2008.

11.1.2.3. Serious eye damage / eye irritation

Not classified vis-à-vis the corrosivity under the CLP Regulation 1278/2008.

11.1.2.4. Respiratory or skin sensitization

Not classified vis-à-vis the creation of awareness under the CLP Regulation 1278/2008.

11.1.2.5. Carcinogenicity

Not classified vis-à-vis the carcinogenicity under the CLP Regulation 1278/2008.

11.1.2.6. Germ cell mutagenicity

Not classified vis-à-vis the mutagenicity under the CLP Regulation 1278/2008.

11.1.2.7. Reproductive toxicity

Not classified vis-à-vis the reproductive toxicity under the CLP Regulation 1278/2008.

11.1.2.8. Specific toxicity for target organ only - single exposure

Not classified with regard to specific toxicity for certain target organs - single exposure within the meaning of CLP regulation 1272/2008.

11.1.2.9. Specific toxicity for target organ only - repeated exposure

Not classified with regard to specific toxicity for certain target organs - repeated exposure within the meaning of CLP regulation 1272/2008.

11.1.2.10. Aspiration hazard

Not classified as regards aspiration hazard within the meaning of CLP regulation 1272/2008.

11.1.2.11. Interactive effects

No significant interactive effects or critical hazards known for this mixture.

11.1.3. Other toxicity information

None

11.2. Endocrine disrupting property

No other hazard identified in the present state of our knowledge.

Section 12 ECOLOGICAL INFORMATION

Avoid release to the environment.

12.1. Toxicity:

Not classified with regard to the danger for the aquatic environment within the meaning of the CLP regulation 1272/2008.

12.1.1. Substances:

Ecotoxicity of raw materials contained in the formulation:

IUPAC name	CAS number	EC number	CL(E) 50	Specie	Time (h)
Sodium Nitrate	7631-99-4	231-554-3	6650	Fish	96
Sodium Nitrate	7631-99-4	231-554-3	6000	Daphnia	24
Sodium Nitrate	7631-99-4	231-554-3	1001	Bacteria	3

12.1.2. Mixtures:

No aquatic toxicity data is available on the mixture.

12.2. Persistence and degradability:

Degradability data of the raw materials contained in the formulation:

IUPAC name	CAS number	EC number	Conclusion degradability
sodium nitrate	7631-99-4	231-554-3	No degradability data is available, the substance is considered not to degrade easily.
ferrous sulfate heptahydrate	7782-63-0	231-753-5	No degradability data is available, the substance is considered not to degrade easily.

12.3. Bioaccumulative potential:

Bioaccumulation data of the raw materials contained in the formulation:

No bioaccumulation data is available on the substances.

No bioaccumulation data is available on the mixture.

12.4. Mobility in soil:

No additional data available.

12.5. Results of PBT and vPvB evaluations

No other hazard identified in the present state of our knowledge.

12.6. Endocrine disrupting properties

No other hazard identified in the present state of our knowledge.

12.7. Other adverse effects:

No additional data available.

Section 13 CONSIDERATIONS RELATING TO DISPOSAL:

Appropriate waste management of the mixture and / or its container must be determined in accordance with the provisions of Directive 2008/98 / EC.

Respect your discharge convention and the ICPE (facilities classified for environmental protection) regulations.

13.1. Waste treatment methods:

13.1.1. Waste:

Recycle or dispose in accordance with the laws in force, preferably by a collector or an approved company.

Do not discharge the product in drains or waterways.

13.1.2. Soiled Packaging:

Empty the container completely. Keep the label(s) on the container.

Do not reuse the packaging.

13.1.3. Waste codes:

07 06 01 aqueous washing liquids and mother liquors

15 01 02 plastic packaging

The following regulations have been taken into account:

- Directive 2008/98 / EC relating to waste

- Decision 2014/955 / EU listing the waste referred to in article 7 of directive 2008/98 / EC

- Regulation (EU) N ° 1357/2014 replacing Annex III of Directive 2008/98 / EC (Properties which make waste hazardous)

Section 14 TRANSPORT INFORMATION

In accordance with the ADR requirements:

14.1. UN number or ID number

None

14.2. UN shipping name:

None

14.3. Hazard class(es) for transport:

None

14.4. Packaging group:

None

14.5. Hazards for the environment:

None

14.6. Special precautions for user:

Handling precautions: refer to point 7.1.

None

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

Section 15 REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific to the substance or mixture:

15.1.1. Information relating to the classification and labelling as given in Section 2

The following regulations have been taken into consideration:

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP), and amendments.

Safety Data Sheet according to Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

15.1.2. Detergent composition (EC Regulation 648/2004 and 907/2006):

15% or more but less than 30% : Phosphates.

15.1.3. Nomenclature of classified installations:

2630 - Manufacture of or based on detergents and soaps

15.1.4. Occupational diseases according to the Labour Code (Source: INRS):

None

15.1.5. Biocide statement

Not concerned

Not concerned

15.1.6. SVHC substances:

To the best of our knowledge, this mixture does not contain any substance on the candidate list of substances of very high concern subject to authorisation (SVHC) updated by ECHA.

15.2. Assessment of chemical safety

No chemical safety assessment has been carried out by the supplier for the mixture.

The information from the assessment of chemical safety of the substances present in the product is included in the appropriate sections of this Safety Data Sheet, wherever necessary.

Section 16 OTHER INFORMATION

16.1. Wording of the phrases mentioned in paragraph 3:

H272 May intensify the fire; oxidant.

H319 Causes serious eye irritation.

H302 Harmful if swallowed.

H315 Causes skin irritation.

16.2. Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.

RID: Regulations concerning the International carriage of Dangerous goods by rail.

LC50: Lethal concentration that causes 50% mortality in the population of organisms studied, for a given time, by single dose.

LD 50: Lethal dose causing 50% mortality in the population of organisms studied, for a given time, by single dose.

ETA = Estimated Acute Toxicity

AISE = International Association of Soap, Detergent and Maintenance Products

CLP = Regulation 1272/2008/EC on the classification, labelling and packaging of substances and mixtures

ELV : Exposure limit value

TWA: time weighted average at the workplace

16.3. Modifications

Modification of safety data phrases

Paragraph 15

"Safety Data Sheet according to Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)" has been added

16.4. Bibliographical references:

None

This sheet complements the technical instructions for use but it does not replace them. The information that it contains is based on the actual state of our knowledge pertaining to the product concerned, on the date of update. It is provided in good faith. The attention of the users is also drawn to the risks possibly incurred when a product is used for purposes other than those for which it is intended. It does not, in any way, exempt the user from knowing and applying the texts regulating its activity. The user should take the precautions related to the use that he/she makes of the product, known to it, under his/her sole responsibility. All the mentioned regulatory requirements merely intended to help the recipient to fulfil the obligations incumbent upon him/her when using a hazardous product. This list should not be considered exhaustive. It does not exempt the user from ensuring that no other obligations are incumbent upon him/her owing to the texts other than those cited and govern the possession and use of the product, for which he/she is solely responsible. The information provided in this sheet is required under the order of 21/02/90 and must be regarded as a description of the safety requirements relating to our product and not as a guarantee of the properties of the same.

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